

Appl. No. 09/778,375  
Atty. Docket No. 8414Q  
Amdt. dated January 6, 2004  
Reply to Office Action of October 21, 2003  
Customer No. 27752

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

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- 1) (Previously Presented) An absorbent article comprising:
    - (1) a liquid impervious backsheet;
    - (2) a liquid pervious topsheet joined to the backsheet;
    - (3) an absorbent core disposed intermediate to the topsheet and the backsheet; and
    - (4) a phase change material disposed on at least a portion of the article.
  - 2) (Previously Presented) The absorbent article of claim 1 for use by a wearer wherein the phase change material changes phases in response to a change between the backsheet of the article and the skin of the wearer in relative humidity, moisture or temperature.
  - 3) (Original) The absorbent article of claim 1 wherein the phase change material will change from a liquid to a solid or from a solid to a liquid in response to a temperature change in the absorbent article.
  - 4) (Previously Presented) The absorbent article of claim 3 wherein the phase change material changes phase at a temperature between about 30° Celsius and about 37° Celsius.
  - 5) (Previously Presented) The absorbent article of claim 3 ~~4~~ wherein the phase change material changes phases at a temperature between about 32° Celsius and 35° Celsius.
  - 6) (Original) The absorbent article of claim 1 wherein the phase change material effects relative humidity or temperature within the article or between the article and the wearer.
  - 7) (Original) The absorbent article of claim 1 wherein the phase change material is selected from the group of: paraffins or waxes, hydrated salts, or eutectic salts.
  - 8) (Original) The absorbent article of claim 1 wherein the phase change material has a latent heat energy of at least about 200kJ/kg.

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- 9) (Original) The absorbent article of claim 1 wherein the phase change material is used at a basis weight of at least about 100 gsm.
  - 10) (Previously Presented) The absorbent article of claim 16 wherein the thermal cell actuator is removable from the article.
  - 11) (Previously Presented) The absorbent article of claim 16 wherein the thermal cell actuator is attachable to the article.
  - 12) (Previously Presented) The absorbent article of claim 16 wherein the article has a pocket into which the thermal cell actuator may be inserted.
  - 13) (Previously Presented) The absorbent article of claim 16 wherein the thermal cell actuator includes one or more packets, and wherein each packet includes enough phase change material to absorb at least about 2 kJ of heat.
  - 14) (Original) The absorbent article of claim 1 wherein the phase change material effects a decrease in malodorous vapors in the article when the phase change material changes phases.
  - 15) (Previously Presented) The absorbent article of claim 1 wherein the phase change material effects an increase in fragrance in the article when the phase change material changes phases.
  - 16) (Currently Amended) An absorbent article comprising:
    - (1) a liquid impervious backsheet;
    - (2) a liquid pervious topsheet joined to the backsheet;
    - (3) an absorbent core disposed intermediate to the topsheet and the backsheet; and
    - (4) a thermal cell actuator disposed on or adjacent to at least a portion of the article to effect a change in at least one property other than temperature properties in at least a portion of the absorbent article.